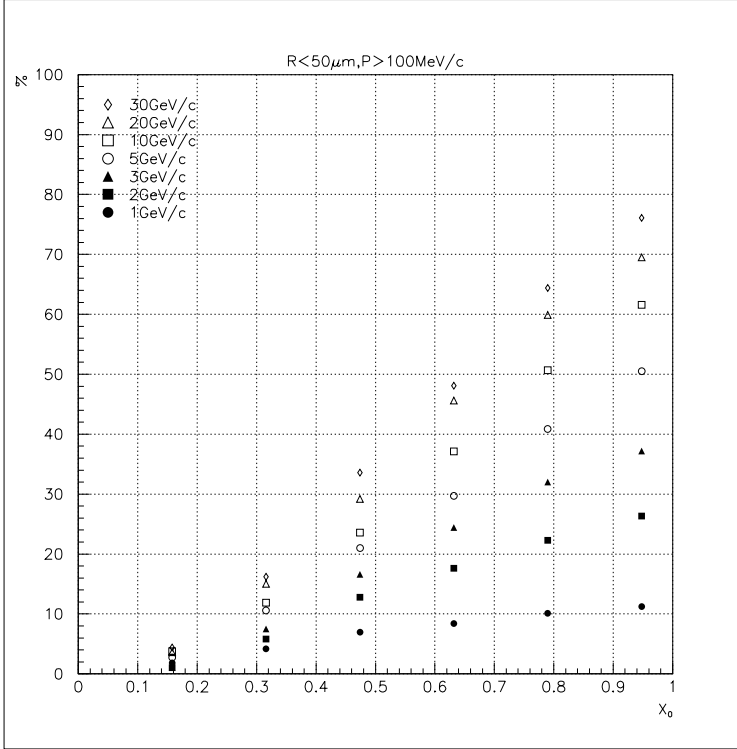


Fig.1 shows the probability of electron pair production (from Komatsu). And Fig.2 shows the angle distribution of electron from  $\nu_e$  charm production. And Fig.3 shows the momentum distribution of electron with the angle cut of 0.25rad. Fig.4 is the probability of e-ID with  $1X_0$  as the function of electron momentum calculated from Fig.1.

The probability of e-ID per event is integration  $\frac{\int f(p)\varepsilon(p)dp}{\int f(p)dp}$ . They are 66%,69% for  $\nu_e$  and  $\bar{\nu}_e$  respectively. So the total e-ID efficiency is 67%.



?^ .1: the probability of e-shower(#M#C)

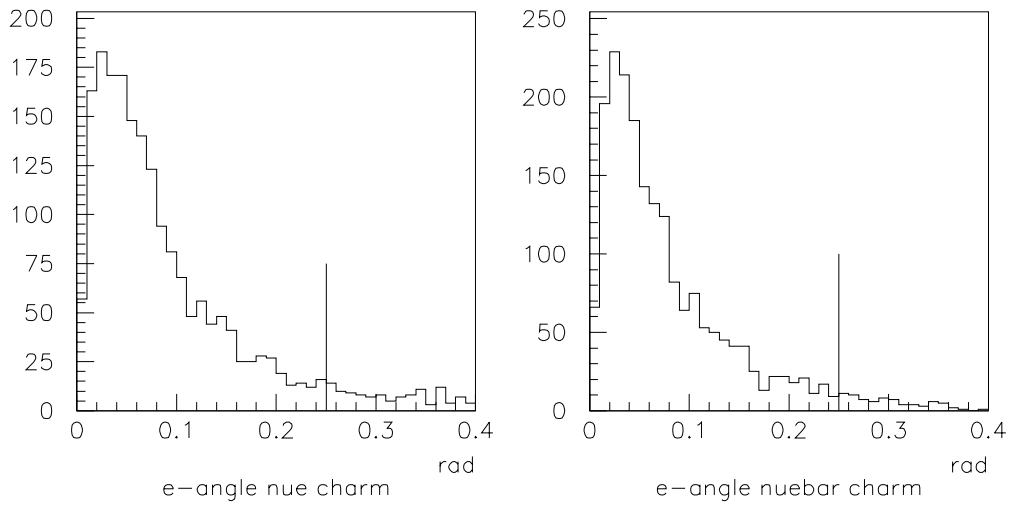


Figure 2: electron angle distribution of  $\nu_e$  charm and  $\bar{\nu}_e$  charm

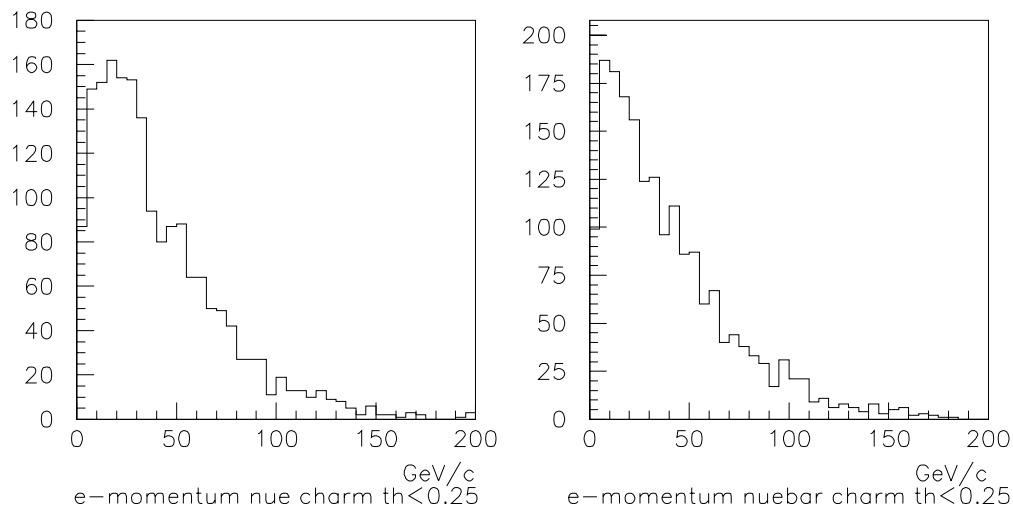


Figure 3: electron momentum distribution of  $\nu_e$  charm and  $\bar{\nu}_e$  charm

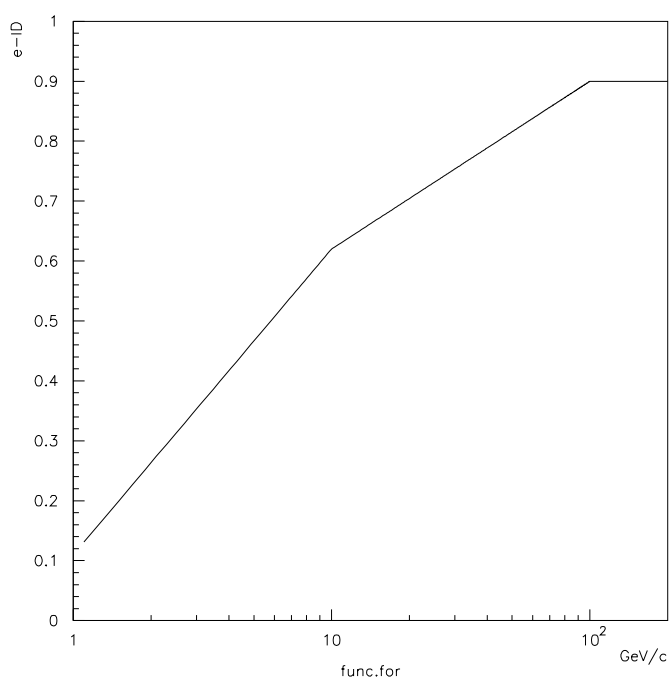


Fig. 4: e-ID efficiency with  $1X_0$  following

